

THE VALUE OF MULTI-JURISDICTIONAL COLLABORATION FOR RESTORING AND MANAGING WATERSHEDS



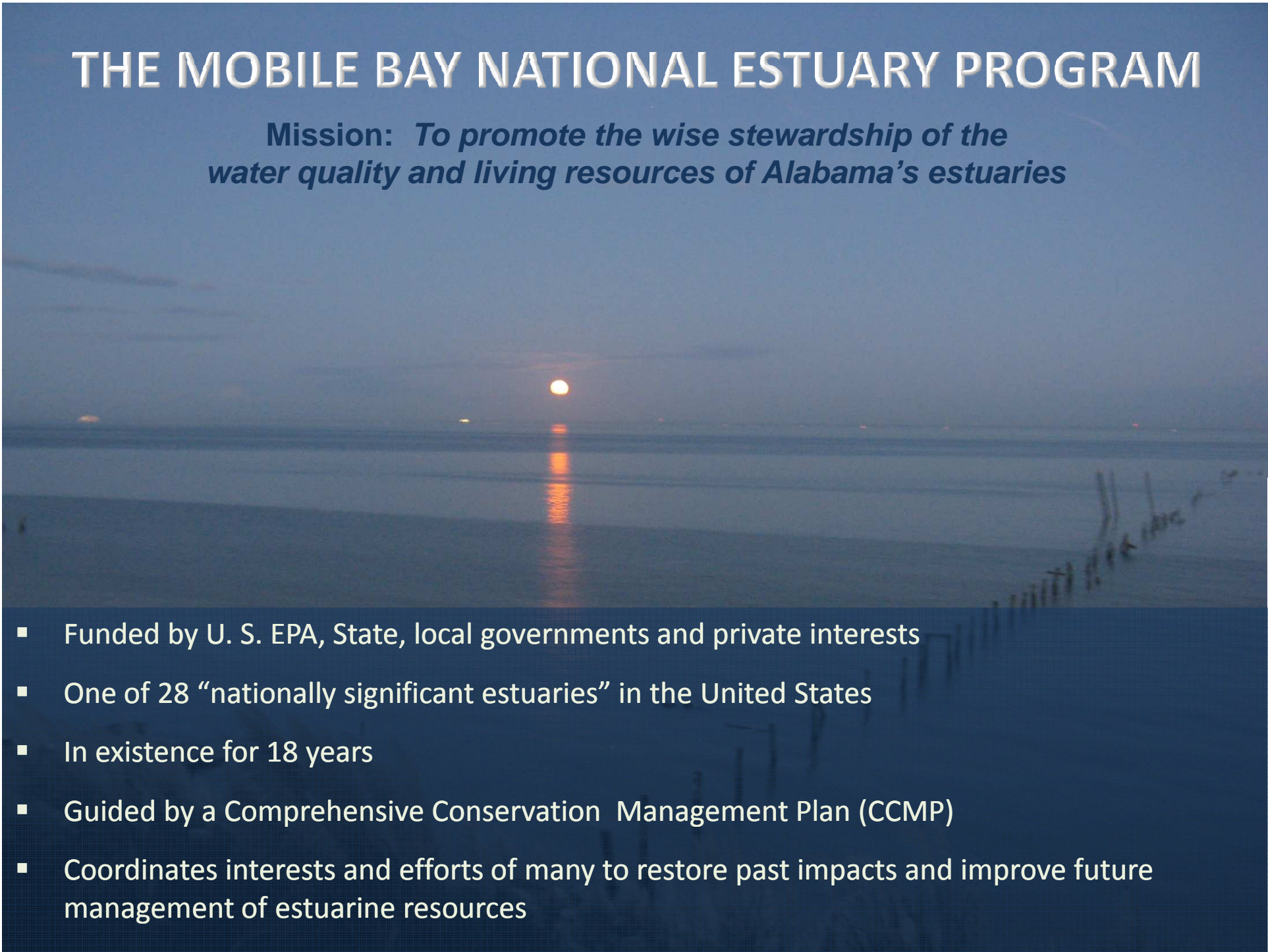
Roberta Swann
Mobile Bay National Estuary Program
Mobile, AL



ADEM Non Point Source Conference
January 22, 2014
Montgomery, AL

THE MOBILE BAY NATIONAL ESTUARY PROGRAM

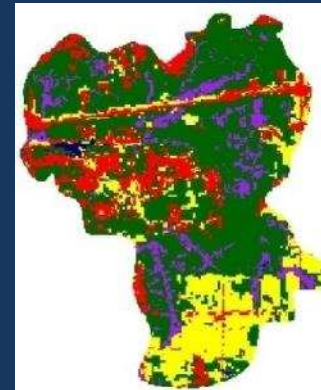
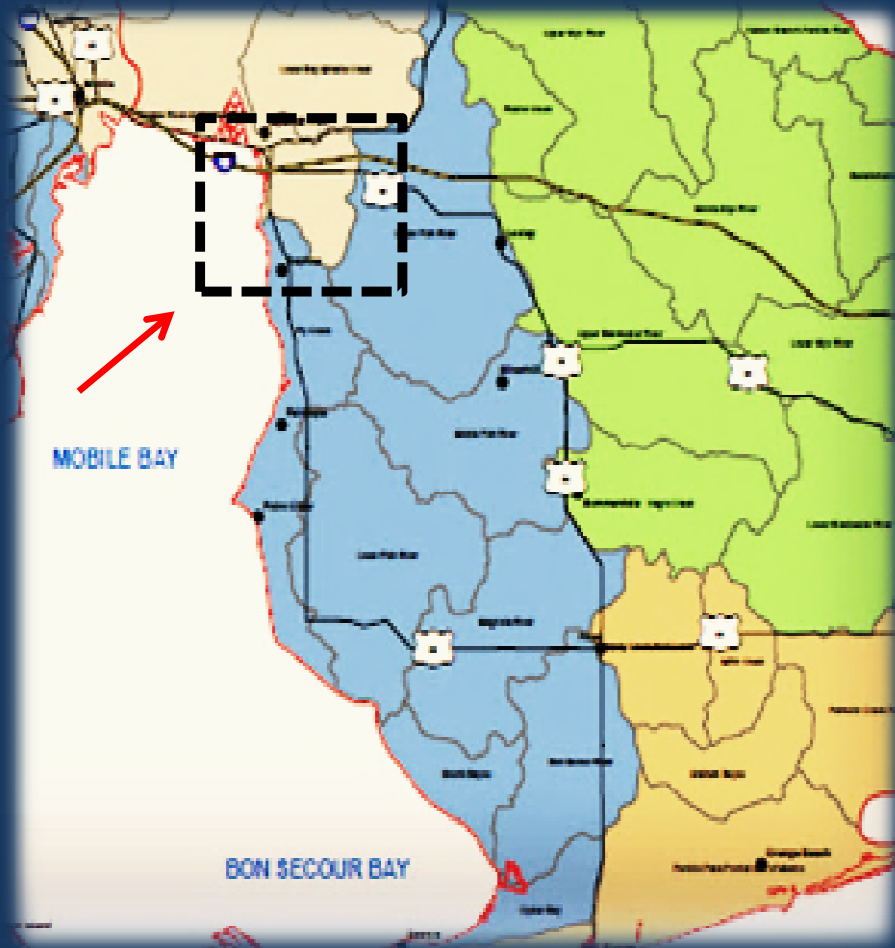
Mission: *To promote the wise stewardship of the water quality and living resources of Alabama's estuaries*

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- Funded by U. S. EPA, State, local governments and private interests
 - One of 28 “nationally significant estuaries” in the United States
 - In existence for 18 years
 - Guided by a Comprehensive Conservation Management Plan (CCMP)
 - Coordinates interests and efforts of many to restore past impacts and improve future management of estuarine resources

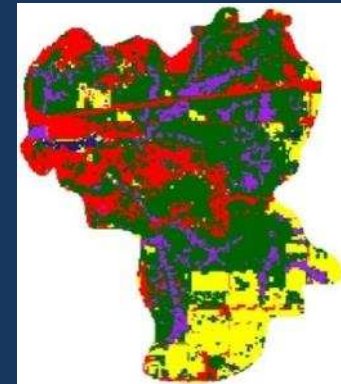
The Mobile Bay Watershed



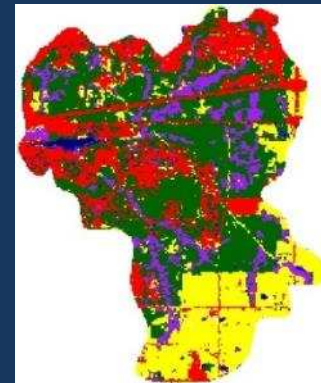
The D'Olive Watershed



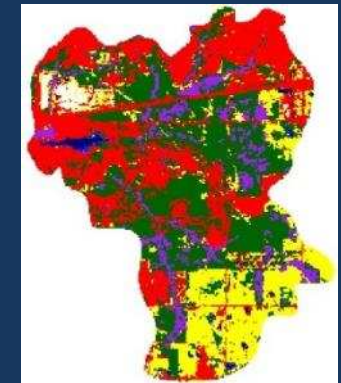
1974



1984



1996



2008

THE CHALLENGE



NASA LANDSAT, 1974

THE STAKEHOLDERS

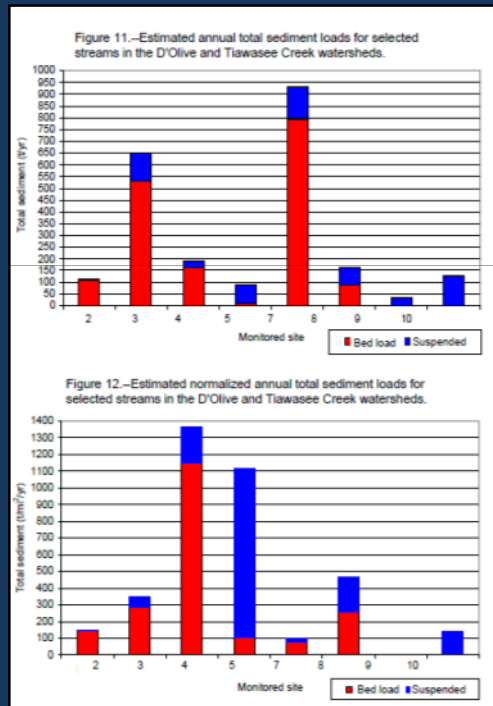
- ADCNR
- ADEM
- ALDOT
- AT&T
- Baldwin County
- City of Daphne
- City of Spanish Fort
- CACWP
- Cypress/Spanish Fort LLP
- GSA
- Lake Forest Improvement Committee
- Lake Forest POA
- Malbis Properties
- MBNEP
- MASGC
- NRCS
- State Rep Randy Davis
- Tonsmeire Properties
- USACE
- USFWS
- US Rep Joe Bonner

A NEW WAY OF MANAGING STORMWATER

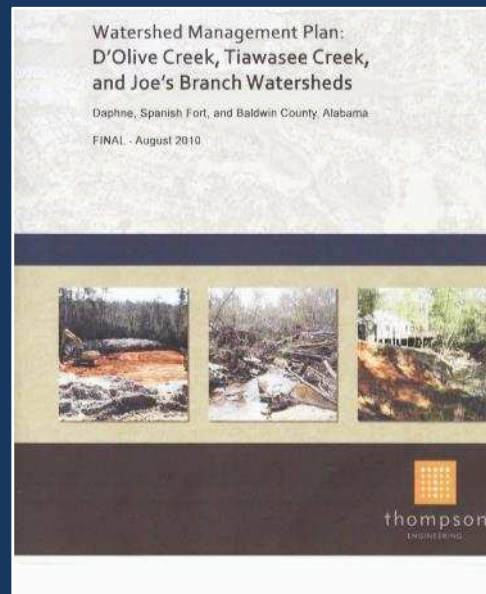
TRADITIONAL is defined as:		WATERSHED is defined as:
✓ Drainage Systems	→	✓ Ecosystems
✓ Reactive (Solve Problems)	→	✓ Proactive (Prevent Problems)
✓ Engineer-driven	→	✓ Interdisciplinary Team-driven
✓ Protect Property	→	✓ Protect Property and Resources
✓ Pipe and Convey	→	✓ Mimic Natural Processes
✓ Bureaucratic Decisions	→	✓ Consensus-based Decisions
✓ Local Government Ownership	→	✓ Partnerships with Others
✓ Narrow Scope of Work (drainage focus only)	→	✓ Holistic Scope of Work (stormwater integrated with land use)

Source: Stormwater Planning- A Guidebook For British Columbia

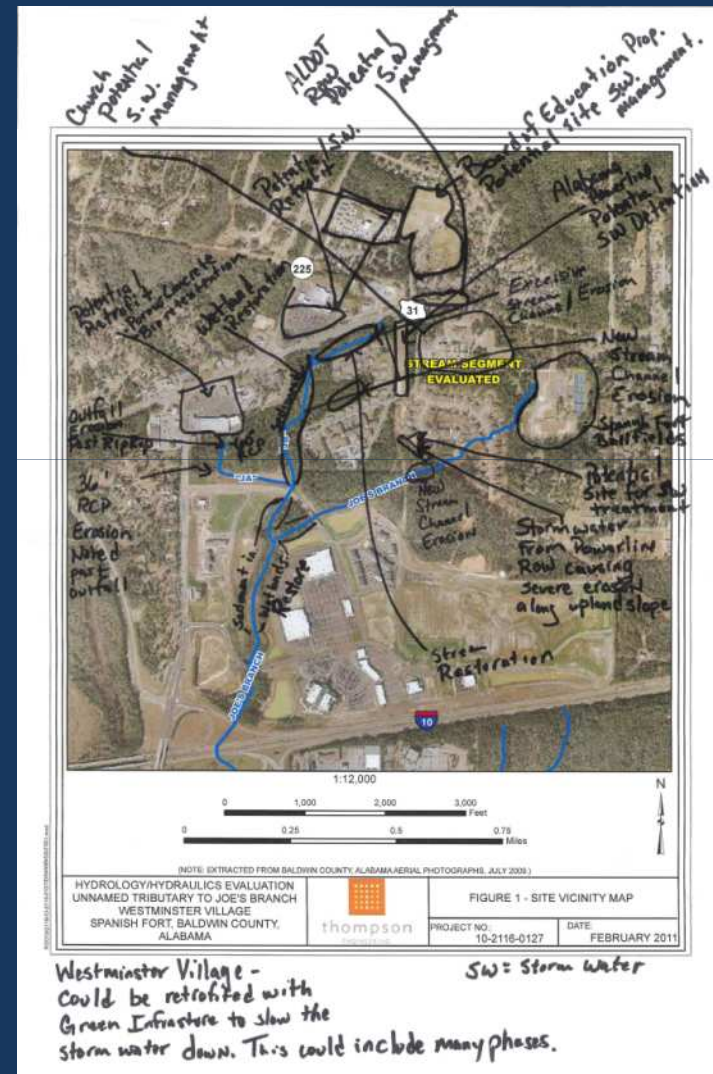
BASELINE



PLAN



IMPLEMENTATION



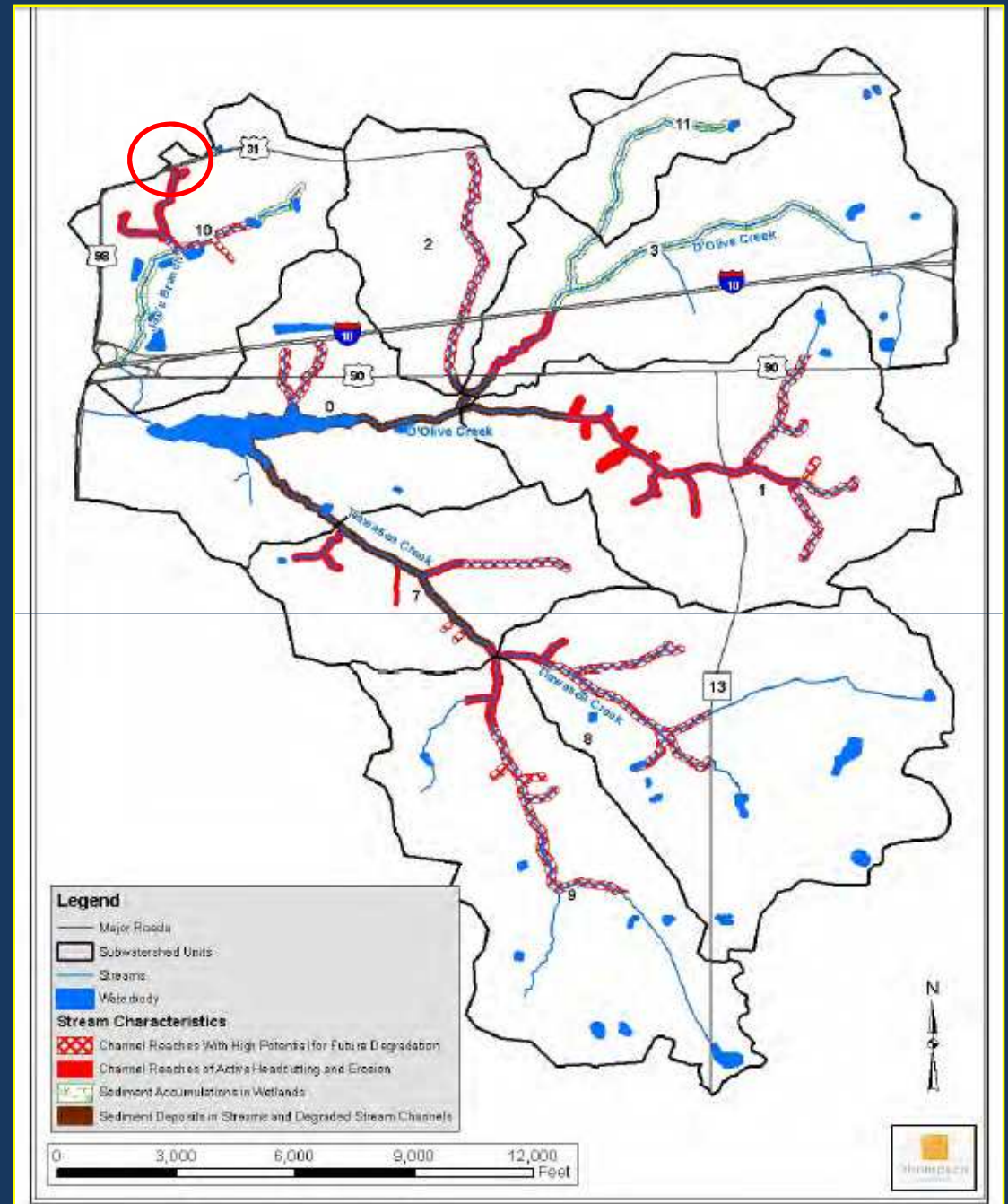
CRISIS LOOMING...

*A tributary to Joe's Branch
...Threatening a highway*

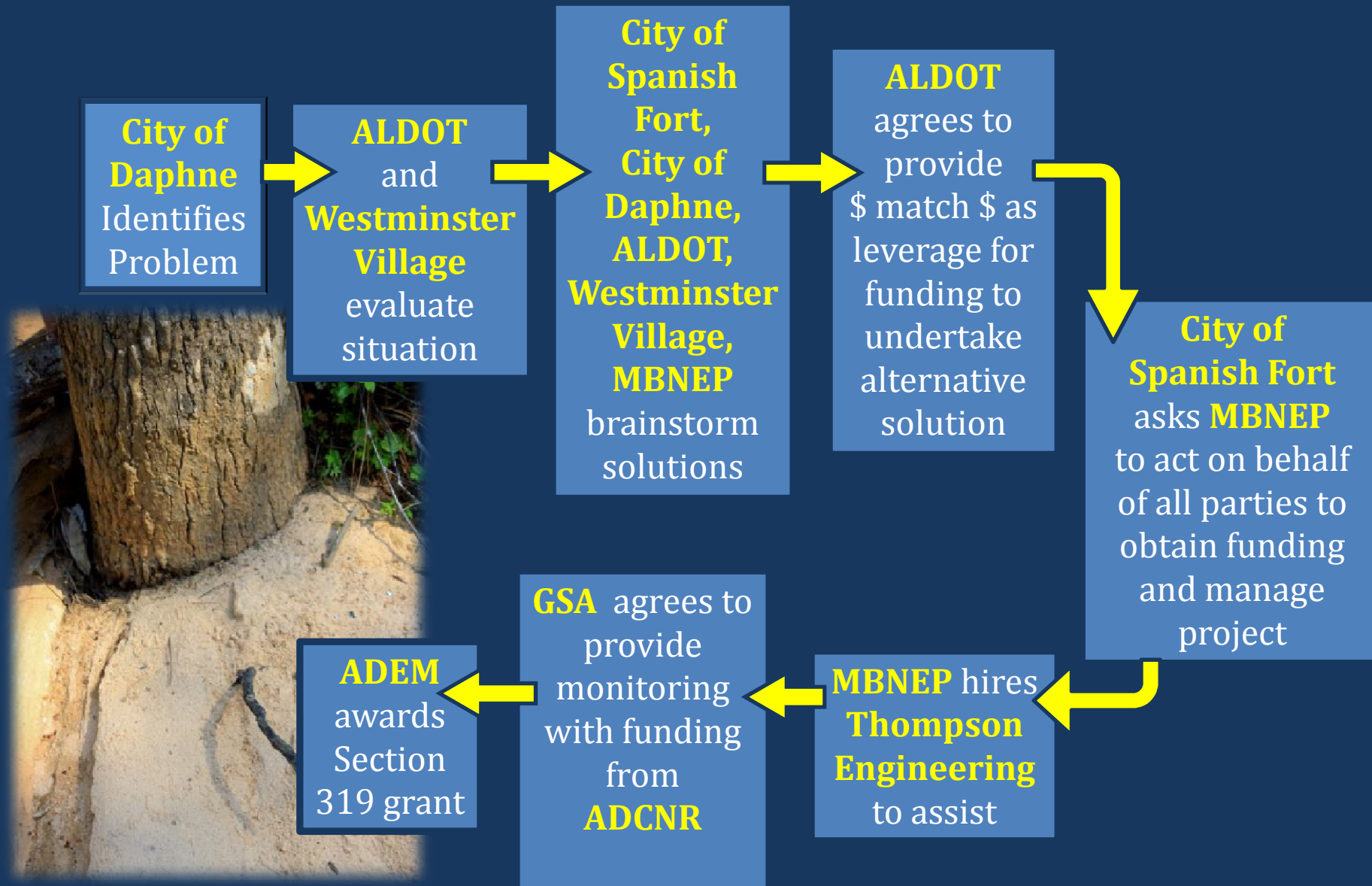
Enter

- City of Daphne
- City of Spanish Fort
- ALDOT
- Westminster Village (Property Owner)
- GSA
- ADCNR
- MBNEP- Thompson Engineering

**ADEM Section 319
Grant**



COORDINATING EFFORTS





THE VALUE OF PARTNERSHIPS



THE ROLE OF THE MBNEP



- Facilitate partnership
- Apply for/manage section 319 grant
- Project management



THE ROLE OF WESTMINSTER VILLAGE

- **Expectations**
 - **Address threat to residents**
 - **Maintain vegetated buffer**
 - **Sentimental value**
 - **Aesthetically pleasing**
 - **Natural screen to Hwy 31**
- **Responsibilities**
 - **Initial Engineering assessment**
 - **Executed conservation easement**
 - **Agreed to maintenance responsibilities**



CROSS-JURISDICTIONAL PARTNERSHIP

Daphne + Spanish Fort + Baldwin County = D'Olive Intergovernmental Task Force

- **Recommended by CWMP**
- **Guides implementation of CWMP**

ADAPTIVE MANAGEMENT RESPONSE



A WATERSHED SCALE MODEL

- Partnering to solve a common problem
- Innovative , environmentally-friendly approach to stormwater management

The Story Continues...

D'Olive Watershed Restoration

Estimated Costs

Watershed Restoration
13 Stream Segments located in
D'Olive Creek
Joe's Branch
Taiwasee Creek

Total : \$ 6,781,000

Partners

City of Spanish Fort
City of Daphne
Baldwin County
Private Landowners
ALDOT, ADEM, GSA
Mobile Bay NEP

*Restoration in progress.
Past Investment totals over
\$1,100,000*

